



Monday, August 02, 2021

Attn: Mr. Keith Gammell  
Barnhardt Mfg. Co.  
247 Main Rd  
P.O. Box 3  
Colrain, MA 01340

Project ID: NPDES BI-MONTHLY JULY 2021  
SDG ID: GCI78837  
Sample ID#s: CI78837

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

August 02, 2021

SDG I.D.: GCI78837

Project ID: NPDES BI-MONTHLY JULY 2021

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| Client Id | Lab Id  | Matrix      |
|-----------|---------|-------------|
| EFFLUENT  | CI78837 | WASTE WATER |



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## Analysis Report

August 02, 2021

FOR: Attn: Mr. Keith Gammell  
Barnhardt Mfg. Co.  
247 Main Rd  
P.O. Box 3  
Colrain, MA 01340

### Sample Information

Matrix: WASTE WATER  
Location Code: BARNHARD  
Rush Request: Standard  
P.O.#: G12043

### Custody Information

Collected by:  
Received by: CP  
Analyzed by: see "By" below

### Date

07/21/21

### Time

7:00

07/21/21

16:43

## Laboratory Data

SDG ID: GCI78837  
Phoenix ID: CI78837

Project ID: NPDES BI-MONTHLY JULY 2021  
Client ID: EFFLUENT

| Parameter             | Result | RL/<br>PQL | Units | Dilution | Date/Time      | By  | Reference           |
|-----------------------|--------|------------|-------|----------|----------------|-----|---------------------|
| Ammonia as Nitrogen   | 0.20   | 0.10       | mg/L  | 2        | 07/30/21       | KDB | E350.1              |
| Nitrite-N             | 0.017  | 0.010      | mg/L  | 1        | 07/21/21 23:11 | AP  | E353.2              |
| Nitrate-N             | 16.2   | 0.40       | mg/L  | 20       | 07/21/21 22:14 | AP  | E353.2              |
| Nitrogen Tot Kjeldahl | 5.02   | 0.20       | mg/L  | 2        | 07/30/21       | KDB | E351.1              |
| Total Nitrogen        | 21.2   | 0.10       | mg/L  | 1        | 07/30/21       | KDB | SM4500NH3/E300.0-11 |

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
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Phyllis Shiller, Laboratory Director

August 02, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



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## QA/QC Report

August 02, 2021

### QA/QC Data

SDG I.D.: GCI78837


| Parameter  | Blank | Blk<br>RL | Sample<br>Result | Dup<br>Result | Dup<br>RPD | LCS<br>% | LCSD<br>% | LCS<br>RPD | MS<br>% | MSD<br>% | MS<br>RPD | %<br>Rec<br>Limits | %<br>RPD<br>Limits |
|--|-------|-----------|------------------|---------------|------------|----------|-----------|------------|---------|----------|-----------|--------------------|--------------------|
| QA/QC Batch 584487 (mg/L), QC Sample No: CI78755 (CI78837) |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |
| Nitrate-N  | BRL   | 0.02      | <0.02            | <0.02         | NC         | 101      |           |            | 100     |          |           | 90 - 110           | 20                 |
| Nitrite-N  | BRL   | 0.01      | 0.040            | 0.03          | NC         | 94.0     |           |            | 108     |          |           | 90 - 110           | 20                 |
| QA/QC Batch 585592 (mg/L), QC Sample No: CI78793 (CI78837) |       |           |                  |               |            |          |           |            |         |          |           |                    |                    |
| Ammonia as Nitrogen  | BRL   | 0.05      | 0.06             | 0.06          | NC         | 101      |           |            | 101     |          |           | 90 - 110           | 20                 |
| Nitrogen Tot Kjeldahl                                      | BRL   | 0.10      | 0.24             | 0.23          | NC         | 101      |           |            | 102     |          |           | 85 - 115           | 20                 |

Comment:

TKN is reported as Organic Nitrogen in the Blank, LCS, DUP and MS.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
August 02, 2021

Monday, August 02, 2021

Criteria: None  
State: MA

Sample Criteria Exceedances Report  
GCI78837 - BARNHARD

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL<br>Criteria | Analysis<br>Units |
|--------|-------|-----------------|----------|--------|----|----------|----------------|-------------------|
|--------|-------|-----------------|----------|--------|----|----------|----------------|-------------------|

\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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## Analysis Comments

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

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